

## STRUCTURAL PLATE PIPE, PIPE-ARCHES, AND ARCHES

The Standard Specifications are revised as follows:

SECTION 717, BEGIN LINE 3, DELETE AND INSERT AS FOLLOWS:

**717.01 Description**

This work shall consist of furnishing and placing structural plate pipe, pipe-arches, or arches in accordance with ~~these specifications and in reasonably close conformance with the lines, grades, and details shown on the plans or as directed~~ 105.03.

SECTION 717, BEGIN LINE 81, DELETE AND INSERT AS FOLLOWS:

**717.04 Backfill**

~~Where shown on the plans or when directed, All structural plate pipe and pipe arches shall be backfilled with structure backfill or flowable backfill shall be used in backfilling around pipe and pipe arch structures.~~ Arch structure backfill shall be structure backfill. The amount of camber on the invert of the pipe or pipe-arch shall be varied to suit the height of fill and supporting soil, except the camber grade shall not be above level. ~~The finished backfill grade shall be as shown on the plans.~~ Structure backfill shall be placed in accordance with 211. Flowable backfill shall be placed in accordance with 213.

~~After the pipe or pipe arch has been assembled and is in place, backfill material shall be placed in accordance with 211.04 or 213.07.~~

An adequate earth cover shall be provided over the structure, as shown on the plans, before heavy construction equipment is ~~driven~~ operated over it. This earth cover shall be free of stones.

~~When~~ Where backfilling at arches before headwalls are placed, the material shall first be placed midway between the ends of the arch, forming as narrow a ramp as possible, until the top of the arch is reached. The ramp shall be built up evenly on both sides and the backfilling material compacted as it is placed. After both ramps have been built to the top of the arch, the remainder of the backfill shall be deposited in both directions from the center to the ends and evenly on both sides of the arch.

SECTION 717, BEGIN LINE 160, DELETE AND INSERT AS FOLLOWS:

~~Flowable~~ Where used as a substitute for structure backfill, flowable backfill will be paid for as structure backfill. Where specified for backfill, flowable backfill will be paid for in accordance with 213.09.